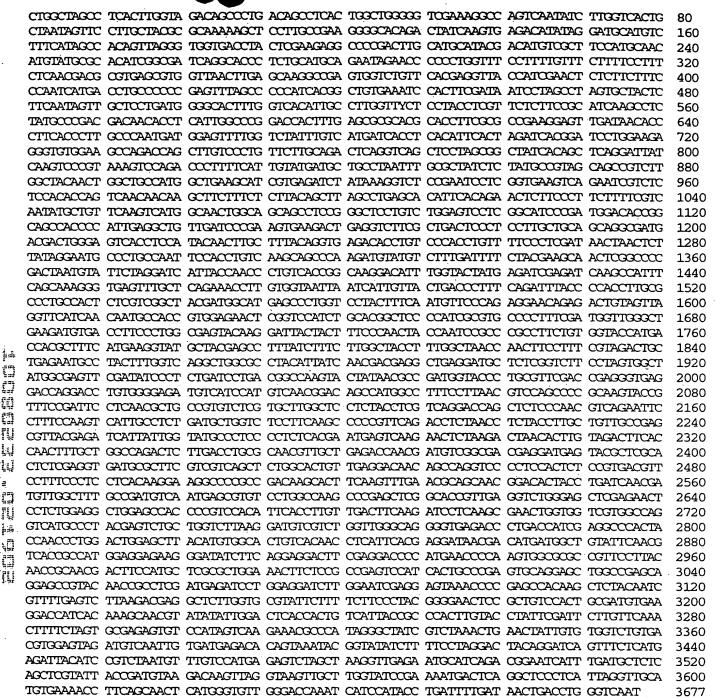


Figure 1



1	MFKHILGAAALSLLFNSNAVQA.SPVPETSPATGHLFKRV	39
1	MLFKSWQLAAASGLLSGVLGIPMDIGSHPIFAVDPEVKTEVFADSLLAAA	50
40	AQISPQYPMFTVPLPIPPVKQPRLTVINPVNGQETWYYEVETKPFT	85
51	GDDDWESPPYNLLYRNALPIPPVKQPKMII'INPVIGKDIWYYEIEIKPFQ	100
86	HQVYPDLGSADLVGYDGMSPGPTFQVPRGVETVVRFTNNAFAPNSVHLHG	135
101	QRIYPILRPATLWGYDOMSPGPIFNVPRGIETVVRFINNATVENSVHLHG	150
136	SFSRAAFDGWAEDITEPGSFKDYYYPNRQSARILWYHDHAMHITAENAYR	185
151	SPSRAPFDCWAEDVIFFGEYKDYYFFNYQSARLLWYHDHAFMKTAENAYF	200
186	CQAGLYMLTDPAEDALNLPSGYGEFDIPMILTSKQYTANGNLVTTNGELN	235
201	GQAGAYIINDFAFDALGLPSGYGFFDIPLILITAKYYNADGTLRSTFGFDQ	250
236	SFWGDVIHVNGQFWPFKNVEPRKYRFRFIDAAVSRSFGLYFADIDATDIR	285
251	DLWGDVIHVNGQPWPFLNVQPRKYRFRFLNAAVSRAWLLYLVRTSSPNVR	300
286	LPFKVIASDSGLIEHPADISLLYISMAERYEVVFDFSDYAGKTIELRNLG	335
301	IPFQVIASDAGLIQAPVQISNLYLAVAERYEIIIDFTNFAGQILDLRNV.	349
336	GSIGGIGIDIDYDNIDKVMRFVVADDITQPDISVVPANLRDVPFPSPI'IN	385
350	AETNOVGDEDEYARTLEVMRFVVSSGTVE. DNSQVPSTLRDVPFPPHKEG	398
386	.TPRQFRFGRIGPIWIINGVAFADVQNRLLANVPVGIVERWELINAGNGW	434
399	PADKHFKFERSNGHYLINDVGFADVNERVLAKPELGTVEWELENSSOW	448
435	THPIHIHLVDFKVISRTSGNNARIVMPYES.GLKDVWLGRRETVVVEAH	483
449	SHPVHIHLVDFKILKRIGGRGQVMPYESAGLKDVWLGRGETLTIFAH	496
484	YAPFPGVYMFHCHNLIHEDHDMMAAFNATVLPDYGYNATVFVDPMEELWQ	533
497	YQPWIGAYMWHCHNLIHEDNDMMAVFNVTAMEEKGYLQEDFEDPMNPKWR	546
534	ARPYELGEFQAQSQQFSVQAVTERIQTMAEYRPYAAADE57	'2
547	AVPYNRNDFHARAGNFSAESITARVQELAEQEPYNRLDEILEDLGIEE 59	4
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Figure 3: protein sequences alignent of Bilirubin oxidase (top sequence) with Stachybotrys oxidase (bottom sequence).

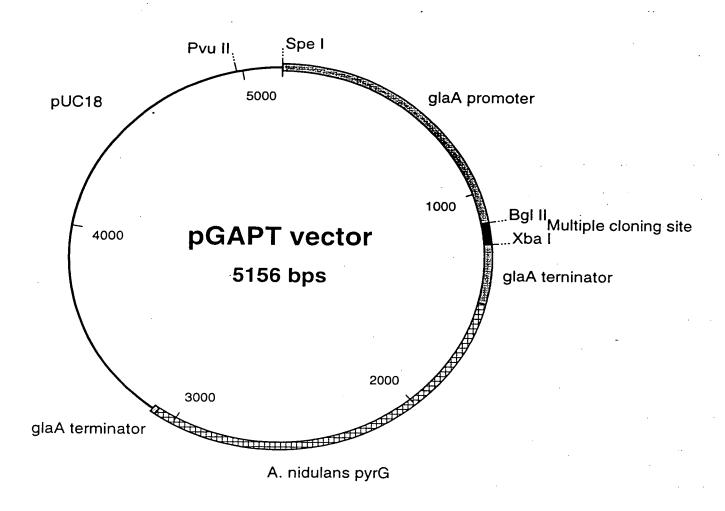


Figure 4



AGATCTAATA TGCTGTTCAA GTCATGGCAA CTGGCAGCAG CCTCCGGGCT CCTGTCTGGA 60	
CITCHCGCA TOOCGATGGA CACCGGCAGC CACCCCATTG AGGCTGTTGA TCCCGAAGTG 120	
AAGACTGAGG TCTTCGCTGA CTCCCTCCTT GCTGCAGCAG GCGATGACGA CTGGGAGTCA 180	
CCTCCATACA ACTTGCTTTA CAGGIGAGAC ACCTGTCCCA CCTGTTTTCC CTCGATAACT 240	
AACTCTTATA GGAATGCCCT GCCAATTCCA CCTGTCAAGC AGCCCAAGAT GTATGTCTTT 300	
GATTTTCTAC GAAGCAACTC GGCCCCGACT AATGTATTCT AGGATCATTA CCAACCCTGT 360	
CACCGCCAAG GACATTIGGT ACTATGAGAT CGAGATCAAG CCATTICAGC AAAGGGTGAG 420	
TITOCICAGA AACCITGIGG TAATTAATCA TIGITACIGA COCTITCAGA TITACCOCAC 480	
CTIGCGCCCT GCCACTCTCG TCGGCTACGA TCGCATGAGC CCTGGTCCTA CTTTCAATGT 540	
TCCCAGAGGA ACAGAGACIG TAGITAGGIT CATCAACAAT GCCACCGIGG AGAACICGGI 600	
CCATCIGCAC GCCICCCCAT CGCGIGCCCC TTICGATGGI TGGGCTGAAG ATGTGACCTT 660	
CCCIGGCGAG TACAAGGATT ACTACITICC CAACIACCAA TCCGCCCGCC TICIGIGGIA 720	
CCATGACCAC GCTTTCATGA AGGTATGCTA CGAGCCTTTA TCTTTCTTCG CTACCTTTCG 780	
CTAACCAACT TCCTTTCGTA GACTGCTGAG AATGCCTACT TTGGTCAGGC TGGCGCCTAC 840	
ATTATCAACG ACGAGCTGA GGATGCTCTC GGTCTTCCTA GTGGCTATGG CGAGTTCGAT 900	
ATTACCTOTIGA TOCTIGACOGO CAAGTACTAT AACOCCGATG GTACCCTOCG TTCGACCGAG 960	`
GGIGAGGACC AGGACCIGIG GGGAGATGIC ATCCATGICA ACGGACAGCC ATGCCTTTC 1020	) `
CITAACGICC AGCCCCCAA GIACCGITIC CGATICCICA ACGCIGCCGI GICICGIGCT 1080	) `
TGGCTCCTCT ACCTCGTCAG GACCAGCTCT CCCAACGTCA GAATTCCTTT CCAAGTCATT 1140	) )
GOCTOTGATG CTGGTCTCCT TCAAGCCCCC GTTCAGACCT CTAACCTCTA CCTTGCTGTT 1200	) `
GCCGAGCGIT ACGAGATCAT TATIGGIATG CCCICCCCIC TCACGAATGA GICAAGAACT 1260	ر ۲
CTAAGACTAA CACTTGTAGA CTTCACCAAC TTTGCTGGCC AGACTCTTGA CCTGCGCAAC 1320	<u>ე</u>
GITCCIGAGA CCAACGAIGI CGCCGACGAG GATGAGIACG CICGCACICT CGAGGIGAIG 1380	) )
COCTTOGTOG TCAGCTCTGG CACTGTTGAG GACAACAGCC AGGTCCCCTC CACTCTCCGT 1440	J N
GACGITCCIT TCCCTCCTCA CAAGGAAGGC CCCGCCGACA AGCACTTCAA GTTTGAACGC 1500	J N
AGCAACGGAC ACTACCIGAT CAACGATGIT GGCTTTGCCG ATGICAATGA GCGIGICCTG 1560	J N
GCCAAGCCCG AGCTCGGCAC CGTTGAGGTC TGGGAGCTCG AGAACTCCTC TGGAGGCTGG 1620	J N
AGCCACCCCG TCCACATTCA CCTTGTTGAC TTCAAGATCC TCAAGCGAAC TGGTGGTCGT 168	n n
GCCAGGICA TCCCCTACGA GICIGCIGGT CTTAAGGATG TCGICIGGIT GCCCAGCGGT 174	n n
GAGACCCTGA CCATCGAGGC CCACTACCAA CCCTGGACTG GAGCTTACAT GTGGCACTGT 180	Λ
CACAACCTCA TICACGAGGA TAACGACATG ATGGCTGTAT TCAACGICAC CGCCATGGAG 186	0
GAGAAGGGAT ATCTTCAGGA GGACTTCGAG GACCCCATGA ACCCCAAGTG GCGCCCGTT 192	O.
CCITACAACC GCAACGACIT CCATGCTCGC GCTGGAAACT TCTCCGCCGA GTCCATCACT 198	0
GCCCGAGTGC AGGAGCTGGC CGAGCAGGAG CCGTACAACC GCCTCGATGA GATCCTGGAG 204	.U
CATCHTICEAA TICGAGAGTA GTCTAGA 200	. /

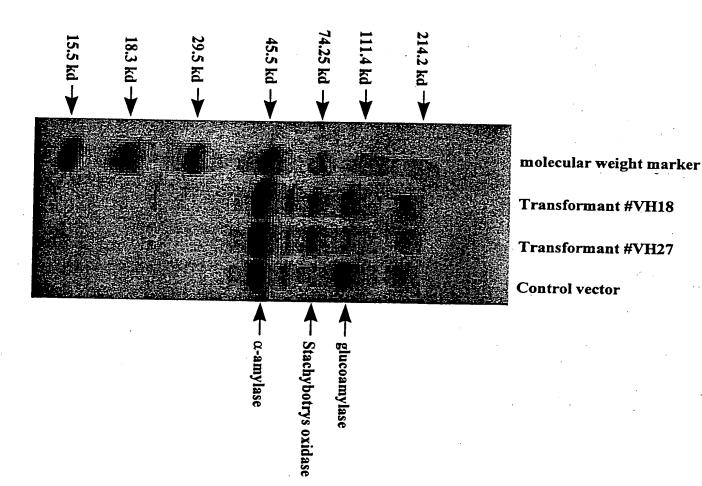


Figure 6

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